# Initial

# Application Part I

Received 11/3/21

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete



October 28, 2021

State of New Mexico Energy, Minerals & Natural Resources Department Oil Conservation Division 1220 S. St. Frances Dr. Santa Fe, NM 87505

RE: Pressure Maintenance Project North Hobbs G/SA Unit Well No. 972 API: New Drill Letter I, Section 31, T-18S, R-38E Lea County, NM

To Mr. Richard Ezeanyim, Chief Engineer:

Occidental Permian Ltd. respectfully request administrative approval, without hearing, to commence injection (water, CO2, and produced gas) per the authorized Order No. R-6199-F. In support of this request please find the following documentation:

- Administrative Application Checklist
- Form C-108 with miscellaneous data attached
- An Injection Well Data Sheet with Wellbore Schematic
- Form C-102
- Map

\*\*\* Per Order No. R-6199-F, this application is eligible for administrative approval without notice or hearing \*\*\*

If you have any questions regarding this application, please contact me at 832-646-4450 or email Jose\_Gago@oxy.com.

Sincerely,

un Gapoj. Jose Gago

Regulatory Engineer

VH2FL-211103-C-1080

ATE IN / 3/21 SUSPENSE

ENGINEER



ABOVE THIS LINE FOR DIVISION USE ONLY

#### NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



### ADMINISTRATIVE APPLICATION CHECKLIST

THI	S CHECKLIST IS MA	NDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Applica	ation Acronyms	
	[DHC-Down [PC-Poo [	dard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] hole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] I Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] fied Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF APE	PLICATION - Check Those Which Apply for [A]"
[-]	[A]	Location - Spacing Unit - Simultaneous Dedication"
		One Only for [B] or [C]" PMX-310
		She Only for [B] of [C]
	[B]	Commingling - Storage - Measurement"
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery"
	[D]	Other: SpecifyÁ
[2]	NOTIFICATI	ON REQUIRED TO: - Check Those Which Apply, or Does Not Apply
[-]	[A]	Working, Royalty or Overriding Royalty Interest Owners
	[B]	Offset Operators, Leaseholders or Surface Owner
	[C]	Application is One Which Requires Published Legal Notice
	[D]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E]	For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	Waivers are Attached

# [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

in Good Signature

Title

Date

e-mail Address

Print or Type Name

**Oil Conservation Division** 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

#### A DRI TO A TION FOR A LIMITORIA MION TO INTEOM

	APPLICATION F	FOR AUTHORIZATION TO INJ	<u>ECT</u>
I.	PURPOSE:Secondary Recovery Application qualifies for administrative approval?	Pressure Maintenance Yes	DisposalStorage _No
II.	OPERATOR:		
	ADDRESS:		
	CONTACT PARTY:		PHONE:
III.	WELL DATA: Complete the data required on the re Additional sheets may be attached if		ll proposed for injection.
IV.	Is this an expansion of an existing project?		
V.	Attach a map that identifies all wells and leases with drawn around each proposed injection well. This ci		
VI.	Attach a tabulation of data on all wells of public rec data shall include a description of each well's type, of of any plugged well illustrating all plugging detail.		
VII.	Attach data on the proposed operation, including:		
	<ol> <li>Proposed average and maximum daily rate and v</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection press</li> <li>Sources and an appropriate analysis of injection produced water; and,</li> <li>If injection is for disposal purposes into a zone r chemical analysis of the disposal zone formation wells, etc.).</li> </ol>	sure; a fluid and compatibility with the re- not productive of oil or gas at or wi	thin one mile of the proposed well, attach a
*VIII.	Attach appropriate geologic data on the injection zero Give the geologic name, and depth to bottom of all dissolved solids concentrations of 10,000 mg/l or le be immediately underlying the injection interval.	l underground sources of drinking w	vater (aquifers containing waters with total
IX.	Describe the proposed stimulation program, if any.		
*X.	Attach appropriate logging and test data on the well	l. (If well logs have been filed with	the Division, they need not be resubmitted)
*XI.	Attach a chemical analysis of fresh water from two of injection or disposal well showing location of wells		ble and producing) within one mile of any
XII.	Applicants for disposal wells must make an affirma and find no evidence of open faults or any other hy drinking water.		
XIII.	Applicants must complete the "Proof of Notice" sec	ction on the reverse side of this form	1.
XIV.	Certification: I hereby certify that the information subelief.	ubmitted with this application is true	e and correct to the best of my knowledge and
	NAME:	TITL	Е:
	SIGNATURE: Vor hung	apo]	DATE:
*	E-MAIL ADDRESS:/ If the information required under Sections VI. VIII.	·	

If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

#### III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
  - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
  - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
  - (1) The name of the injection formation and, if applicable, the field or pool name.
  - (2) The injection interval and whether it is perforated or open-hole.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
  - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

#### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

#### NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

#### C-108 Application Attachment Occidental Permian Ltd. North Hobbs G/SA Unit No. 972 Lea County, New Mexico

- I. This is a pressure maintenance project. The project qualifies for administrative approval.
- II. OCCIDENTAL PERMIAN Ltd. P.O. Box 4294 Houston, TX 77210-4294 Contact Party: Jose Gago, 832-646-4450
- III. Injection well data sheet and wellbore schematic has been attached for NORTH HOBBS G/SA UNIT No. 972
- IV. This is an expansion of an existing project authorized under Order No. R-6199-F.
- V. The map with a two mile radius surrounding the injection well and a one half mile radius for area of review is attached.
- VI. In accordance to Order No. R-6199-F Section 4 OCCIDENTAL PERMIAN Ltd certifies that: The area of review for well "NORTH HOBBS G/SA UNIT #972" shows no substantive changes in the information furnished in support of Order No. R-6199-F concerning the status of construction of any well that penetrates the injection interval within the one-half (1/2) mile around the injection well, with the exemption of the wells below:

ΑΡΙ	Well Name	Operator	Status after Jan 2014
30-025-07624	SOUTH HOBBS G/SA UNIT 013	OCCIDENTAL PERMIAN LTD	P & A
30-025-07641	SOUTH HOBBS G/SA UNIT 026	OCCIDENTAL PERMIAN LTD	P & A
30-025-07630	SOUTH HOBBS G/SA UNIT 028	BP AMERICA PRODUCTION COMPANY	P & A

The wellbore diagrams and tabulated well data is attached.

- VII. The area of review is attached.
  - 1. Average Injection Rate4,000 BWPD / 15,000 MCFGPDMaximum Injection Rate9,000 BWPD / 20,000 MCFGPD
  - 2 This will be a closed system.
  - Average Surface Injection Pressure 1,100 PSIG
     Maximum Surface Injection Pressure
     A 100 PSIG

Produced Water	1,100 PSIG
CO2	1,250 PSIG
CO2 w/produced gas	1,770 PSIG

(In accordance with Order No. R-6199-F, effective 7/18/13)

4. Source Water – San Andres Produced Water

(Analysis previously provided at hearing, Case No. 14981)

VIII. The information was previously submitted as part of Order No. R-6199-F application IX.

- a. Well will be perforated using slick gun system, 4- jspf, 90-degree phasing
- b. Acid stimulated using ~ 6000 gals of 15% HCL NEFE, pumped using a straddle packer assembly (PPI Tool)
- c. Acid will be flush with approximately 100 bbls of fresh water

- d. Max injection rate per cluster: 4 to 5 bpm.
- X. Logs will be filed at the time of drilling.
- XI. The information was previously submitted as part of case No. 15103 Order R6199F Effective May 22, 2014.
- XII. N/A. This is a pressure maintenance project, not a disposal well.
- XIII. Section 3 of Order No. R-6199-F allows the administrative approval, from the Division Director, of additional injection wells without notice and hearing. Notices to producers and surface owners for the water/CO2 flood area were provided at the time of the application and hearing for Order No. R-6199-F.

#### INJECTION WELL DATA SHEET

#### OPERATOR: Occidental Permian LTD.

WELL NAME & NUM	IBER: NORTH HOBBS G/SA UNIT	972			
WELL LOCATION:	1562' FSL 842' FEL	Ι	31	18 S	38 E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELL	BORE SCHEMATIC		<u>WELL Co</u> Surface	ONSTRUCTION DAT Casing	<u>'A</u>
		Hole Size: 13 1/2"		Casing Size: 9 5/8'	
		Cemented with: 515	5 sx.	or	ft <sup>3</sup>
		Top of Cement: Sur	face	Method Determined	l: Circulated
			<u>Intermedia</u>	te Casing	
		Hole Size:		Casing Size:	
		Cemented with:	SX.	or	$_{\rm max}$ ft <sup>3</sup>
		Top of Cement:		Method Determined	1:
			Production	n Casing	
		Hole Size: <u>8 3/4</u> "		Casing Size: 7"	
		Cemented with: 975	5 sx.	or	ft <sup>3</sup>
		Top of Cement: Sur	face	Method Determined	l: Circulated
		Total Depth:45	00 TVD / 5693' M	D	
			Injection	Interval	
		perforated from	1 3950' TVD fee	<sub>t to</sub> Base of the un	<u>iit @ 4500' TV</u> D

(Perforated or Open Hole; indicate which)

Side 1

#### **INJECTION WELL DATA SHEET**

Tub	ing Size: 2 - 7/8" Lining Material: Duoline
Тур	be of Packer: <u>5-1/2" x 2 3/8" 14-20# AS1-X Double Grip injection Packer</u>
Pac	ker Setting Depth: approx. 3900' TVD or 4875' MD
Oth	er Type of Tubing/Casing Seal (if applicable):
	Additional Data
1.	Is this a new well drilled for injection? <u>X</u> Yes <u>No</u>
	If no, for what purpose was the well originally drilled?
2.	Name of the Injection Formation: San Andres
3.	Name of Field or Pool (if applicable): Hobbs; Grayburg - San Andres
4.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No
5.	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
	Queen @ 228' TVDSS or 3408' TVD
	Glorieta @ -1670' TVDSS or 5320' TVD

WELL#	NORTH HOBBS G/SA UNIT #972	WELLBORE DIAGRAM (updated: 10/27/2021)		
API#	TBD	Revision 0		
	San Andres TBD		GL elev	3634.20
		NORTH HOBBS G/SA UNIT #972		
	CEMENT		DEVIATION S	URVEYS
			DEPTH	DEGREE
	Casing with 515 sx 14.8 PPG Class C XTED TO SURFACE	13-1/2" hole 9-5/8" 32# set at +/		
Cement	on Casing with 975 sx 14.8 PPG Class C, Two satge cement Job XTED TO SURFACE ON BOTH STAGES	8-3/4" Hole		
		Perfs 5100' MD - 7" 23# set at +/- 5693		

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<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 <u>District II</u> 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

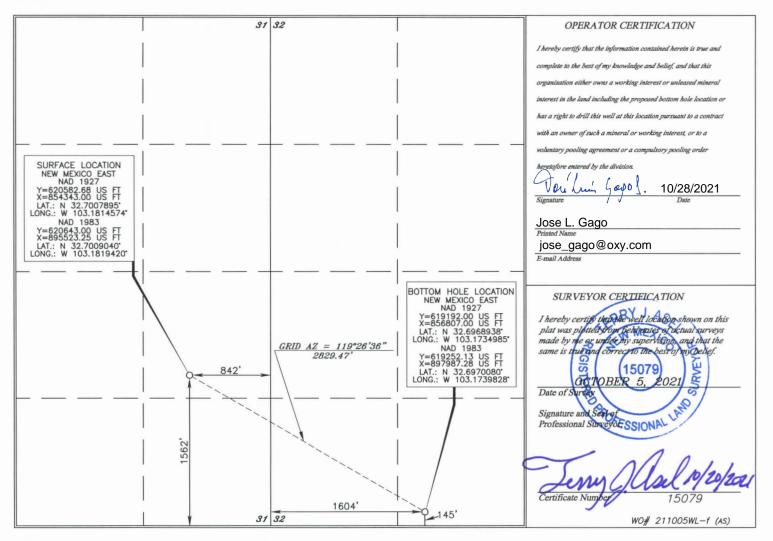
WELL LOCATION AND A CREACE DEDICATION DI AT

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

□ AMENDED REPORT

			И	VELL I	LOCA	110	IN ANL	ACK	REAGE D	EDICATIO	NPLAT							
	API	Number			1	Pool C	ode				Pool Name							
	30-025	5-			:	3192	20			HOBBS;	GRAYBUR	G-SAN AN	IDRES					
Prope	rty Code							Property	Name				И	Vell Number				
19	520					NO	RTH H	OBBS	G/SA	UNIT			3.	1–972				
OGR	OGRID No. Operator Name El																	
157	157984OCCIDENTAL PERMIAN LTD.3634.2'																	
	Surface Location																	
UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County																		
Ι	31 18 SOUTH 38 EAST, N.M.P.M.						1562'	SOUTH	842'	EAS	T	LEA						
Bottom Hole Location If Different From Surface																		
UL or lot no.	Section	Tow	mship		Ran	ge		Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County				
N	32	18 S	OUTH	38	EAST,	N.M	. Р. М.		145'	SOUTH	1604'	WES	T	LEA				
Dedicated	Consolid	lation Cod	le	Order No.														

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



## North Hobbs G/SA Unit 972 AOR

#### Oil and Gas Wells

- Wells Large Scale
- Miscellaneous
- 🔆 CO2, Active
- 🔆 CO2, Cancelled
- 🔆 CO2, New
- 🔆 CO2, Plugged
- 🔆 CO2, Temporarily Abandoned
- 🔅 Gas, Active
- 🔅 Gas, Cancelled
- 🔅 Gas, New
- 🌣 Gas, Plugged
- 🔅 Gas, Temporarily Abandoned
- O Injection, Active
- , Injection, Cancelled
- 🖉 Injection, New
- 🖉 Injection, Plugged
- ø Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled
- Oil, New
- Oil, Plugged
- Oil, Temporarily Abandoned
- ▲ Salt Water Injection, Active
- △ Salt Water Injection, Cancelled
- Salt Water Injection, New
- ▲ Salt Water Injection, Plugged
- △ Salt Water Injection, Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New
- Water, Plugged
- I Water, Temporarily Abandoned
- ? undefined

OCD Districts and Offices	OCD	Districts	and	Offices	
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- OCD District Offices
- \*

Public Land Survey System

PLSS Second Division

PLSS First Division

	NESE (1) 30-0		5370 NESW 30-01544880 c		0 0	30-025-29098	30-025-2713	30-025-29195	W MMs Ln30	025-28881	06 NESW 30- 30-025-27214 30-026-07384	025-07372 <sup>30-025-1</sup>	(1) (1)	07386304025-0739 (L)	3 NESW30-02 •30-025-07394	5-07392 <sup>30-025-20</sup>	0696 NESE	41-1
	SESE 23 (P)	swsw.30-0 (107	25-4482630-025-43 (N) 30-0	847 SWSE 25-05482 ) •30-025-0549	30-025-43038 SESE 30-025-22421 0 30-025-22052	L4 3	SESV30-0 30-025-2348	120 026 07264	SESE	8WSWW Te (M) 025-07366 *30-025-0738	(N)	20 025-12493 ) 30 •30-025-0737 185 38E	SESE	SWSW (M) 30- *30-025-0739	SESW 30- (N) 30-02 0 \$30-025-0735	21 025-2269030 25-22602 O ) 1 \$30-025-073	SESE (P) 96 .30:025-07397	swsw (M)
	30 J <sup>2</sup>	025-05509 W	Bender Blvd _ C30-C	025-44828	05506 30-025-3 30-025-37480	30-025-0707 39007 <sup>5</sup>	7 30-025-2906	30-025-07463	30-025-291975	025-07470 •30-025-0745	2 0 30-025-374 30-025-374	185 38E			de: Blv)	NWNE	IT.	are blue
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	SENE (H)	(E)	SENW (F) 0-025-05502	SWNE (G)	SENE (H) 30-025-26933	-L2	30:025:268 (F) 30-025-362	133 30-025-28412 (G) 29730-025-28555	SENE (8) 30-025-27059	(E)	025-37213 3	0 (G) 0.025-37128 30	83 SENE (H) -025-37475	SWNW (E) •30-025-28964	SENNY TEI 30.02007/	SWNE (G)	30- <u>925-</u> 07419 (H)	(E)
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	NESE 26 (1)	NWSV	NESW 2 (K)	530-025-0549430- NVPSE • (J)	025-05500 (1) 30-02	30-025-0748630-029	-37120 W 30 (10)025-	0-025-36216 30-025 2213/530:025122305*	-36281/1E 30-025-	28580 07471 NWSW 36280 (30)025-07 30-025-30	30-025;36011: 4871	29 30-02 30-025-34869 30-02 30-025-07436	30-025-33370 30-025-37409	25-07424 SN30-02	-23277 30-025 30 025-233	07423 30-025 NVIEE 08 30-025-074	112 30-025-0741	NWSW 27 3 (L) 30-025-0
	SESE	SWSW	30-1	025-05501	SESE 30	025-05499 30-0	25-07487	35 30-025-28955 30-025-35755 30-025-21966 30-0	30-02 -30-025-2700 25-24665	25-35756 30-025-28958 3	30-025-26917 30-025-3 0-025-35852	30-025-28884 4870 30-025-074	30:025:35673	30-025-28885 FIELD	30-025-07421	9276	a my Dr. sese	0.025-15349 <sub>30</sub> .
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	(P) 26	(M)		5 SWSE (0)	(P) 025-05541 30	*30-025-07482 025-05539	6 (N)	30 30-025-21965 W (-On)er 5t	( p30-025-	30-025-074 30-025-356 0740030-025-0751	148 30-025-3567 (N) 3 30-025-28413 19	9 SWSE 0-025-07437 30-025-35670	30-025-35672	•30-025-1249 (M) -10-025-35671 025-07516 30-0	(N) 30-025-29026	28 30:025-124 (O) 0-025-07564 30	-025-29199	07411 27 30-1
		NWNW (D)	MENW (C)	NWNE (B)	NENE (A)	30-025-07512 L 1	25-07511 NENW (C)	30-025-07491 30-025-07503 (8)-025-0 (8)-025-0	7496 NENE 30-	025-07494 025-22622 025-22622	07528 30-025-3	30-025-3026 0258 22792 B	7517 NENE 30-02	5-35820 30-025-125	05 025-12508 30-025	30-025-2: 5-07555 7110 30-025-34	3438 30-025- 994 NE 30-025- (A)	28299 07556 30-0
	*		18S 37E	6	025.05540			30-025-37428	0-025-27060	25-07493	30-025-3565730	30-025-35667	30-025-26973 30-025-35726	30-025-29074	0-025-44718 -30-025-26975	0-025-29065 30-	025-27169 7	Tark A
	SENE H)	SWNW (E)	SENW (F)	SWNE (G)	SENE	025-09926 30-0 30- L 2 5	25-07513 025-07514	30-025-07506 SW(30-025-0	7497 50130-0254	30-025-2300 07495 swy30-025-	07531 SEN30-025	07529 SWNE 30	025-3615030-025-	23130 5WI 30-025-	2326330-025-233	4 30-025-0754	830-025 07554 1 30-0	30-02
	SENE		SENW	ENNE	CENE			30-02 30-02	30-025-21 5-30204 •	888730-025-36245	30-02 16175	0-025-35668 •30-025-0751	8 30-025-29198	30-025-0755	9 30-025-07560	-41643 30-025-0755	30-025-29932 230-025-28951	*30.02
	(H) NESE	(E)	(F)	(G)	(H) 30-		5-07 SU 30-0	1 G ) 25-0750730-025-07499 WW 30-025-1	30-025-37214 2503 30-025-075	W Ca 30-025-075	27 (F 130-02	-07521 30-025-075 -23035 -23035	23309 (H) 30 23309 30-025-34374 30-	025-07537 025-07544	30-025-07545 : 23195 30-025-43282	0-025-28410 30-025-35758	SENE 5 W Car (H   30-02) 826930-025-38572 5-0755830-025-3030	5-3499730-025- 0-025-2658330-
	0	(L)	(K)	(J)	(1)	L3	к)	(3)	(1) 30-0 30-02 500 30-02	25-07530 30 5-35451	30-025-35385 30-025-27139	(J) 30-025-2917	30-025-07540 3 30-025-26974	30-025-07,549 30*0	1 <b>K 30-025</b> 25-34980 30-025-26834	07551 (J30-025	5-0755830-025-3030	18 PL y 30-0
	35 g quiveg	129 <u></u>	18S 37E		Junnam St 5	185(3	8E 025-07510	30-025-07508	25-07502	30-025-2894	3 -025-07534 30 30-025-31662	30 035 25453-	30-025-2	8411		2.11	COLUMN AND AND A	0.30-
	SESE C (P)	SWSW 30-4 (M)©	025-12803SW 2 (N)	U SWSE (O)	SESE ON	L4	(A)	swse (0)	SESE 30-0 (P)30-025	07498 <sup>30-025</sup> 075	30-025-28265	07524 30-025-0753	9 (130-025-28266 30-025-28266	07536	7550 (K30-025-	30:025-28267	5-12757 SF30-025-0 24005 P30-025-0	7561 SW(30-0) 7565 (M)30- 30-
	L1 02 Count	L4	L3 0	1 L 2 <sub>Hotes</sub> 195'07E	L1	L4 30-0	25-07649 L 3	0:025-07647 30:0	-30-025-28304 25-076371 30-02	5-07636L 4 930-025-0762	L330-025	0762430-025-0761	4 L1	L4		4 L2		L 4 03
	Arport	L4	L3	L2	LI	L 4 30-0	25-27622	005025-07647 30:0 L 2 30 125-29472 30 30-026-29458	025-07640 30-025-28973	30-025-289 30-025-28974	075 30 07626 30-025-289 • L 3 20 0.35 36115	025-07627 30- 30-025-288	025-29752 30-025-28978	07619 30-025-20 30-025-20 30-025-35	07605 30-02 3305 30-025- 318 30-025- 318 30-025-	5-28306 30-025 12768 5-29892 <sup>30-025-3</sup>	5-07629 30-025- 9 30-02 11421 L 1 5	07598 30-0; 25-29756 90 P L 4 30-
	- Sun			Haldes				30-025-07648 30-						26116 <sup>30-025-297</sup> 30-025-298 30-025-2	53 30-025-28334 91 730 30-02	30-025-28335 30-025-2 530:025-2	19755	W H
	SENE (H) 02	SWNW (E)	SENW (F) 0 195 37E	SWNEounty (G) <sup>Chub</sup>	SENE (H)	L 5 19S 38E	SENW (F) 30-0	SWNE 9 30- (G) 30- 25-29410 30-025-44389	025-07639 30-025-2945	SWIW (E) Midwi	5-076310 SEN 30-025	07630 ( 0.025 05	30-025-35305 -07620 <sub>SENE</sub> (州)	07613 SWNW (E) 30	SENW 30-025	30-025-314	22 (Jan 30-025-0759930	0-025-07589 0-025-2833230- 0-025-2833203
	Lea I	unty	190 375					30-025-28197 30-02	5-0764430-025-0	0-025-26119 764230-025-44611	30-025-28960	30-025-44612	30-025-29084 30-025-20933 30	30-025-26961 30-025-43099e 0-025-4259530-025 025-425956630-025	30-025-31428 -42593 5-42594	30-025-28339,	30-025-07600 30-025-07600 30-025-28340 3 30-025-26623 30-02 025-26623 38-30-02 025-26980 350-025 30-025-07607	- 0-025-28341 25-42648
ed	NESE (1)	NWSW (L)	NESW (K)	NWSE (J)	NESE (1)	L6	(K)	NWSE (J)	NESE 30 (1) 30-025-29443	025-0763430-025	-29520 NESV30-02	5-07623 ( ) 30-025-29085	07621NSHL 30	025-34946 30 30-025-4309730-0	-025-43096 • (K) 25-43098	0-025-31423 30-1 30-025-26119 30-	025-26623 30-025 025-26980 30-025 30-025-07607	42690 30-02 42647 1 30-0 42696
	NESE (1)	Naw .	NESW	NWSE (J)	NESE	L6	(K)	NWSE D'	(1)	(1)	-1K)	(.1)	- 30-023-2500	2 0-025-28984	23-43103 983 NESW 30-025-28343	30-025-28344	30-025-07607 30-025-28345 5-11430 (30-025-3	NWSW
	SESE 02	swsw (M)	SESW 01	SWSE	SESE (P)	L7	SESW (N)	06 SWSE	SESE	Sugar.		-025-29521 30- 0-025-07633 •30- 05 SWSE		30-025	-07612 30-025	07608 30-02 30-025-31424	25-07611 30-025 130-025-26 (여기)	07609 F10
		(	195 37E	(0)				-30-025-44309		30-025-2941	30-025-294 30-025-294	2592 30-025-2905 12 195 38E	4 30-025-2898 30-025-07618	• 0				0.025.015
	NENE	NWNW	NENW	NWNE (B)	NENE	24	NENW	NWNE (B)	NENE	025-07650 30- NWNW	-025-07654	30-025-07653 30- 30-025-3095	4 30-025-0765230	30-025-4310430-0 30-025-43106 <sup>30-0</sup> 025-0765830-025	25-28349 28544 <sub>NENW</sub> 30-025	-07662 NWNF 30-02	30-025-28351 <sup>30-0</sup> 15-07669 30-025- 15-07669 30-025- 15-07669 30-025-28351 15-07669 30-025-283551 15-07669 30-025-285550 15-07669 30-025-285550 15-07669 30-025-285550 15-07669 30-025550 15-07669 30-025550 15-07669 30-0255550 15-07669 30-025550 15-07650000	-025-0766030- 5-28355 30-0 22754'NW
	(A) 11 SENE	(D) SWNW	(C) SENW	SWNE	(A)	-	(C)	07 SWNE	(A)	(D)	(C)	30- SMINE	025-31933		(*C') 30-025-28356 		Fuc 30-	025-28359
	(Н)	(E)	(F)	NG)	(H)	L2	(F)	(G)	(H)	(E)		(G) -025-07655 •30-		(E) Ø 30	-025-07670 J 30	(G) -025-07667 -025-07667	(H) 5-07671 30-025	(E) 5-28543 30-0
	SENE (H)	SWNW (E)	SENW (F)	SWNE (G)	SENE (H)	L2	(F)	SWNE (G)	SENE (H)	SWNW (E)	SENW (F)	SWNE (G)	SENE (H)	SWNW (E)	SENW 30-025-2330	(G) 30-025-836	(H) 30.025.28364	(E) 30-
	NESE 11		195 37E	2		195 38E		07				06		025-0765130-025-	07666 30	025 07664	•30-0 5-07668 30-025 NESE	25-28365 0 30-0 07659 30-0
	NESE (1)	(L)	NESW (K)	NWSE (J)	(1)	L3	NESW (K)	NWSE (J)	NESE (1)	NWSW (L)	(K)	NWSE (J)	NESE (1)	(L)	(K)	NUNSE (J) 30	NESE FI) 0-025-44311	(L)
	SESE (P)	swsw (M)	SESW (N)	SWSE (0)	SESE (P)	L4	SESW (N)	SWSE	SESE (P)	swsw (M)	SESW (N)	SWSE (0)	SESE (P)	BWSW (M)	SESW 30-025	0-025-07665 30 30981 SWSE 33	0-025-07657 30-0 0-025-20167 30-025-0	30- 025-20047 SWSW ( M 30-0
	(P) SESE (P) 11 1953		(N)	(0)	(2)		(N)	Tar	(*)	(M)	(14)	(0)	(1)					Department, City NASAMIA, USDA

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-07624	OCCIDENTAL PERMIAN LTD	SOUTH HOBBS G/SA UNIT	013	Injection	Plugged, Site Released	330	N	2310	w	С	5	195	38E	0	4243	UKNW UKNW 7.875 UKNW	16 10.75 6.625 5	163 2764 3920 4190	55 300 150 150	Surf UKNW 2540-3250, 3890 UKNW	Circ O CBL O	4044'-4243' GRAYBURG-SAN ANDRES	Well Plugged on 09/05/2019

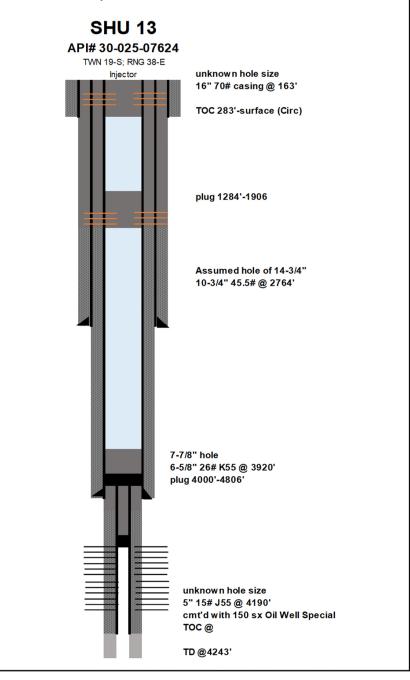
08/30/2019 - Cement squeezed perforations with 200 sacks of cement. CICR at 4000', cement at  $3806^{\circ}$ 

09/03/2019 - Perforated at 2700' could not stablish rate. Spotted plug mud to 1800', spotted 20 sacks of cement and displaced with mud. Cement tagged at 2484'. Perforated casing at 1850'. Spotted plug mud and 50sacks of cement, displaced with plug mud.

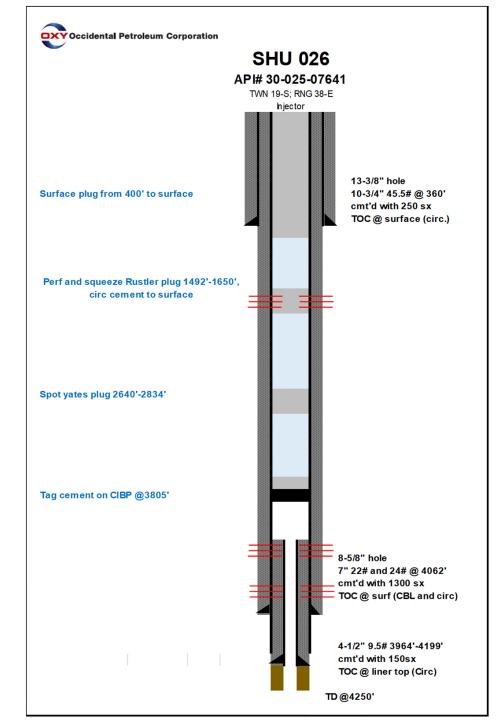
909/04/2019 - Tagged cement at 1360'. Perforated casing at 250, could not circulate to surface. Perforated casing at 90', could not circulate to surface. Spotted cement from 289' to surface and squeezed with 25 sacks of cement. Cement kept falling. Filled casing with cement until cement stayed at surface.

09/05/2019 - Checked intermediate casing pressure: 0 psi. Rigged down and cleaned up location.





API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-07641	OCCIDENTAL PERMIAN LTD	SOUTH HOBBS G/SA UNIT	026	Injection	Plugged, Not Released	1650	N	480	E	н	6	195	38E	3/12/1949	4250	13.375 8.625 0	10.75 7 4.5	360 4062 4199	250 1300 150	Surf Surf 3964	Circ. CBL Circ	4011'-4050' GRAYBURG-SAN ANDRES	Well Plugged on 03/03/2020



API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-07630	BP AMERICA PRODUCTION COMPANY	SOUTH HOBBS (GSA) UNIT	028	Oil	Plugged, Not Released	1980	N	1980	×	F	5	195	38E	1	4225	17.5 12.25 8.75 0	13.375 9.625 6.625 4.5	212 2771 3950 3854-4183	150 300 150 150	Surf 1209 2600 3854	Calc Calc Calc Calc	3951'-4208' GRAYBURG-SAN ANDRES	Well Plugged on 08/23/2019

